Tuesday, 3/20/2007 1:51:51 PM Kim Johnston **Process Sheet** : AFT CROSSTUBE : CU-DAR001 Dart Helicopters Services **Drawing Name** Customer Job Number : 31370 : 10377 **Estimate Number** : D2890 **Part Number** : NIA P.O. Number - D2890 REV B S.O. No. : 4/1/ **Drawing Number** : 3/20/2007 This Issue : N/A Project Number · NC Prsht Rev. : NIA : PURCHASED PARTS : B **Drawing Revision** First Issue : NIA : 31369 Material Previous Run : 4/10/2007 Qty: 1 Um: Each **Due Date** Written By Checked & Approved By Removed Bending procedures KJ/JLM Comment : Est. 05.03.21 **Additional Product** Job Number: Description: Machine Or Operation: Seq. #: 1.0 D6008180 Crosstube extrusion Comment: Qty.: 1.0000 Each(s)/Unit 1.0000 Each(s) Total: Pick: Batch Part # Description Qty 25687 D6008-180 Crosstube extrusion BENDING 2.0 Comment: BENDING MACHINE EL 7/4/10 1-Bend D2890 as per Dwg D2890 and Folio FT002 DIMENSIONAL CHECK 3.0 QC6 2404·11

Comment: DIMENSIONAL CHECK

LANDING GEAR 1

LANDING GEAR RESOURCE 1



Comment: LANDING GEAR RESOURCE 1

1-Deburr and Polish

HAND FINISHING1

HAND FINISHING RESOURCE #1



5.0

4.0

Comment: HAND FINISHING RESOURCE #1

Chemical Conversion Coat as per QSI 005 4.1

Page 1

Dart Ae	rospace l	Ltd								
W/O:			W	ORK ORDER CH	ANGES					
DATE	STEP	PRO	OCEDURE CHANGE			Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
							,	:		
										,
Part No		PAR #:	Fault Cate	gory:	NC		_) Date:	
			W001/ 000					l:	_ Date:	
NCR:		,	WORK ORD	ER NON-CONFO	RMANCE	: (NCR)			
DATE	STEP	Description of NC Section A	Initial Chief Eng	Corrective Action Action Descrip	Section B	Sign & Date	Verific Section		Approval Chief Eng	Approval QC Inspector

NOTE: Date & initial all entries

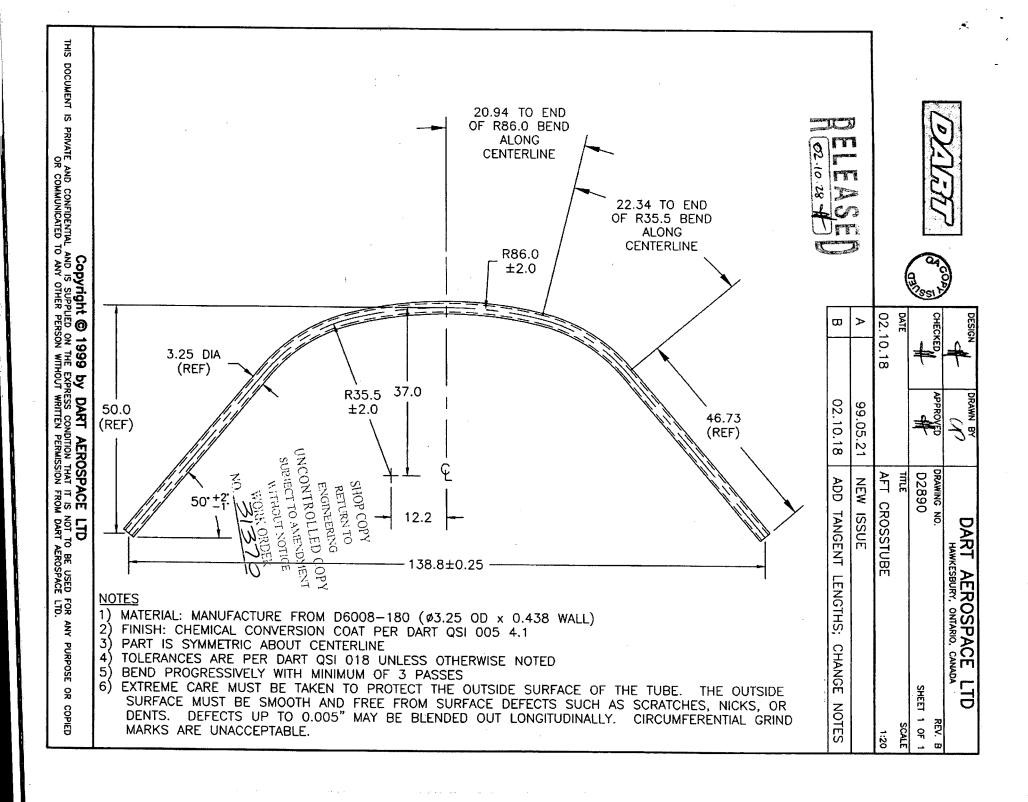
Tuesday, 3/20/2007 1:51:51 PM Date: User: Kim Johnston **Process Sheet** Drawing Name: AFT CROSSTUBE Customer: CU-DAR001 Dart Helicopters Services Job Number: 31370 Part Number: D2890 Job Number: Description: Seq. #: Machine Or Operation: INSPECT POWDER COAT/CHEMICAL CONVERSION QC3 6.0 Comment: INSPECT POWDER COAT/CHEMICAL CONVERSION PACKAGING 1 PACKAGING RESOURCE #1 Comment: PACKAGING RESOURCE #1 Identify and Stock 0304.11 Location: WD 313 79 8.0 FINAL INSPECTION/W/O RELEASE Comment: FINAL INSPECTION/W/O RELEASE u Adle Job Completion , ;;

Dart Aerospace Ltd

W/O:		WORK ORDER C	HANGES				,
DATE	STEP	PROCEDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
-							
				<u> </u>			
Part No	:	PAR #: Fault Category:	NCR: Yes	No DQ	A:	Date: _	
			QA:	N/C Close	d:	Date: _	

NCR: WORK ORDER NON-CONFORMANCE (NCR					CE (NCR)	R)			
<u> </u>		Description of NC		Corrective Action Section B			A	A	
DATE	STEP	Description of NC Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Verification Section C	Approval Chief Eng	Approval QC Inspector	
						1			
		•							

NOTE: Date & initial all entries

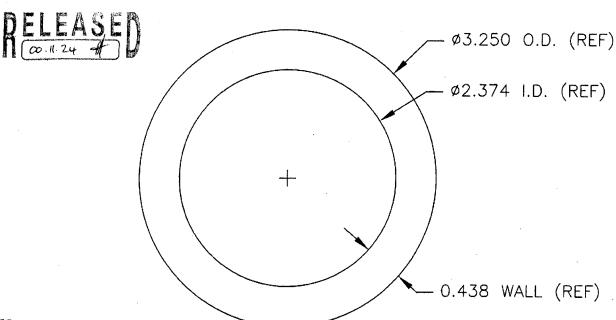






DESIGN (DRAWN BY	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECKED	APPROVED	DRAWING NO.	REV. A
4	#	D6008 SHEET	1 OF 1
DATE		TITLE	SCALE
00.11.17		CROSSTUBE MATERIAL	1:1
Α	00.11.17	NEW ISSUE	

SPECIFICATION CONTROL DRAWING



NOTES

1) D6008-XXX CROSSTUBE LENGTH

> WHERE XXX IS LENGTH IN INCHES EG. 180" LONG TUBE: D6008-180

QQ-A-200/11) SEAMLESS ALUMINUM TUBE.

MINIMUM ULTIMATE TENSILE STRENGTH = 77 ksi MINIMUM YIELD TENSILE STRENGTH = 66 ksi

3) TOLERANCES ARE PER ASTM B210 AS FOLLOWS:

O.D.: \pm 0.008 MEAN (\pm 0.016 INCLUDING OVALITY) WALL: ±0.020 MEAN (±0.044 INCLUDING ECCENTRICITY)

LENGTH: XXX +0.125/-0.000 STRAIGHTNESS: 0.010" DEVIATION / 12" LENGTH

ENGINEERING UNCONTROLLED COPY SUBJECT TO AMENDMENT WITHOUT NOTICE WORK ORDER

4) EXTREME CARE MUST BE TAKEN TO PROTECT THE OUTSIDE SURFACE OF THE TUBE. OUTSIDE SURFACE MUST BE SMOOTH AND FREE FROM SURFACE DEFECTS SUCH AS SCRATCHES, NICKS, OR DENTS. DEFECTS UP TO 0.005" MAY BE BLENDED OUT LONGITUDINALLY. CIRCUMFERENTIAL GRIND MARKS ARE UNACCEPTABLE.

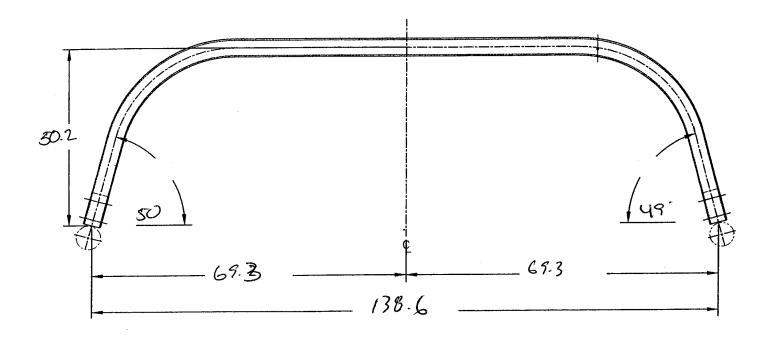
5) CHEMICAL CONVERSION COAT PER DART QSI 005 4.1

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DART AEROSPACE LTD	Work Order:	31370
Description: Crosstube Aft	Part Number:	D2890
Inspection Dwg: D2890 Rev: B		Page 1 of 1

Required Dimension	Min	Max
Height	49.875	50.125
1/2 Span	69.275	69.525
Angle	49	52
Total Span	138.55	139.05



	Comments
Tube used i cut to	N205-586-107 B31379
10.00	
	1
	//
QC15 Inspection	

Rev	Date	Change	Revised by	Approved
Α	07.02.06	New Issue	KJ/JM	